

NFPA DESIGNATION 704

HAZARD RATING	- HEALTH	0
4=Extreme		
3=High	- FIRE	2
2=Moderate		
1=Slight	- REACTIVITY	0
0=Insignificant		
	- SPECIFIC HAZARD	NONE



MATERIAL SAFETY DATA SHEET

SECTION 1 NAME AND PRODUCT

MANUFACTURER'S NAME: SUNNEN PRODUCTS COMPANY
 ADDRESS: 7910 Manchester Ave.
 St. Louis, Mo. 63143
 United States of America

CONTACT: Terry Heller
 EMERGENCY PHONE NO: 314-781-2105
 APPROVED BY: Terry Heller
 TITLE: Manager, Materials R/D
 DATE: August 15, 1987

TRADE NAME, COMMON NAME OR SPECIFICATION: PG-991 Anti-Rust Compound

CHEMICAL FAMILY: Mixture of hydrocarbons refined from petroleum.

CLASSIFICATION: NOT APPLICABLE

D.O.T. SHIPPING CLASS: NOT APPLICABLE

SECTION 2 HAZARDOUS INGREDIENTS/IDENTITY (PER 29 C.F.R. 1910.1200(g))

COMMON NAME	CHEMICAL NAME OF COMPONENTS	CAS NO	Wt.%	OSHA PEL mg./cu. m.	ACGIH TLV-TWA mg./cu. m.	CARCINOGENIC
GREASE	REFINED PETROLEUM	8009-03-8	90	5 (mist)	5 (mist)	N
CAMPHOR	CAMPHOR	76-22-2	10	2	12	N

FOR FURTHER SAFETY AND HEALTH INFORMATION REGARDING THE COMPOSITION OF THIS MATERIAL CONTACT SUNNEN PRODUCTS, INDUSTRIAL SALES DEPARTMENT.

SECTION 3 PHYSICAL & CHEMICAL CHARACTERISTICS

SPECIFIC GRAVITY (WATER=1)-----0.84 (APPROX.)
 PERCENT VOLATILE BY WEIGHT-----10%
 MELTING POINT-----120 F (49 C) APPROX.
 VAPOR PRESSURE (mm Hg)-----Unknown
 VAPOR DENSITY (AIR=1)-----Unknown

EVAPORATION RATE -----NEGLECTIBLE
 SOLUBILITY IN WATER-----NEGLECTIBLE
 REACTIVITY IN WATER-----NOT REACTIVE
 APPEARANCE AND ODOR-----SEMI-SOLID WHITE GREASE

SECTION 4 SPECIAL PRECAUTIONS

HANDLING AND STORAGE: NONE Refer to Section 7

SECTION 5 CORROSIVITY AND REACTIVITY DATA

STABILITY: MATERIAL IS STABLE UNDER NORMAL CONDITIONS OF TRANSPORT AND STORAGE.
 POLYMERIZATION: HAZARDOUS POLYMERIZATION WILL NOT OCCUR.
 INCOMPATIBILITY (MATERIALS TO AVOID): STRONG OXIDATION AGENTS.
 HAZARDOUS DECOMPOSITION PRODUCTS: CARBON MONOXIDE FROM COMBUSTION.

SECTION 6 HEALTH, FIRST AID AND MEDICAL DATA

ACUTE AND CHRONIC HEALTH EFFECTS AND EFFECTS OF OVEREXPOSURE. PRIMARY ROUTE(S) OF ENTRY ARE: INGESTION, INHALATION AND SKIN ABSORPTION. ABBREVIATIONS USED IN THE FOLLOWING SECTION: NAIF=NO APPLICABLE INFORMATION FOUND, SKIN=SKIN ABSORPTION, EYE=EYE CONTACT, INHAL=INHALATION, INGEST=INGESTION

CAMPHOR: ACUTE: SKIN: May cause skin irritation. EYE: May cause eye irritation. INHAL: Irritates mucous membranes. Affects central nervous system causing nausea, vomiting, diarrhea, headaches, dizziness, excitement, irrational behavior and convulsions. INGEST: Irritates mucous membranes. Affects central nervous system causing nausea, vomiting, diarrhea, headaches, dizziness, excitement, irrational behavior and convulsions. **CHRONIC:** SKIN: NAIF. EYE: NAIF. INHAL: NAIF. INGEST: NAIF.

PETROLEUM GREASE: Fully refined materials meeting the requirements of the United States Pharmacopeia XXI and the requirements of the Food and Drug Administration as per Title 21 parts 172.880 and 178.3700. **ACUTE:** SKIN: Prolonged repeated contact can cause skin irritation or oil acne due to the mechanical blockage of the skin pores. Predisposing factors: Usually individuals with sensitive skin or large amounts of body hair. EYE: May cause eye irritation. INHAL: None known. INGEST: None known. **CHRONIC:** SKIN: NAIF. EYE: NAIF. INHAL: NAIF. INGEST: NAIF.

EMERGENCY FIRST AID

INHALATION: Remove to fresh air. If not breathing, begin mouth to mouth resuscitation. Seek medical attention.
EYE CONTACT: Remove contact lenses (if wearing) and flush eyes with water for 15 minutes. Seek medical attention to check for possible irritation. **SKIN CONTACT:** Wash hands with mild non-abrasive soap and water. **INGESTION:** Seek medical attention.

SECTION 7 HANDLING, STORAGE AND USE PROCEDURES

NORMAL STORAGE AND HANDLING: Store away from heat or flame. Maximum storage temperature 250 F (120 C).
NORMAL USE: May cause skin irritation and/or defat the skin on prolonged or repeated contact. Practice good personal hygiene by washing hands several times each day. Launder contaminated clothing before reuse. Avoid wearing clothing soaked with fluid. Avoid prolonged inhalation of mist or vapors. Do not transfer to unlabeled containers. FOR INDUSTRIAL USE ONLY. Not suitable for use in or around household or dwelling. Containers should be disposed of in an environmentally safe manner and in accordance with applicable governmental regulations.

STEPS TO BE TAKEN IN CASE OF LEAKS OR SPILLS: Absorb on fire retardant absorbent. Gather and dispose of in accordance with applicable regulations.

WASTE DISPOSAL METHODS: Dispose of in accordance with applicable federal, state and local laws, regulations, rules, orders and ordinances.

SECTION 8 PERSONAL PROTECTION INFORMATION

RESPIRATORY PROTECTION: None required under normal conditions of use with adequate ventilation.

VENTILATION-LOCAL: Normal. **MECHANICAL:** Required if odors are present or operator experiences any discomfort.

OTHER: No applicable information found.

SKIN PROTECTION: No special equipment required. However, good personal hygiene practices should always be followed. Do not wear oil soaked clothing.

EYE PROTECTION: Always wear NIOSH approved eye protection when working around or operating machinery.

OTHER EQUIPMENT: No applicable information found.

MEASURES TO BE TAKEN DURING REPAIR AND MAINTENANCE OF CONTAMINATED EQUIPMENT THAT HAS BEEN IN CONTACT WITH THIS MATERIAL: Same as for petroleum lubricating oil. Remove traces of material if soldering, welding, brazing, cutting or other process involving ignition sources to prevent a fire hazard.

SECTION 9 FIRE AND EXPLOSION HAZARD DATA

FLASH POINT:-----190 F (88 C) ASTM D-93

FLAMMABLE LIMITS--- LEL: Unknown UEL: Unknown

EXTINGUISHING MEDIA: Carbon dioxide, foam and dry chemical.

SPECIAL FIRE FIGHTING PROCEDURES: For fires in enclosed areas, firefighters must use self-contained breathing apparatus. Water spray is an unsuitable extinguishing agent.

UNUSUAL FIRE AND EXPLOSION HAZARDS: None known.

NOTICE

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